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Term: l6 and kit$1

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DB=USPT,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L7	l6 and kit$1	11	L7
L6	L5 and (termin$2 or end$1)	14	L6
L5	L4 and (methyl nucleotides or fluoro nucleotides or amino nucleotides or arabinose nucleotides)	14	L5
L4	l1 and (amplif$7 or PCR)	1481	L4
L3	L2 and (termin$2 or end$1)	9	L3
L2	L1 and (O-methyl nucleotide$1 or fluoro nucleotide$1 or amino nucleotide$1 or arabinose nucleotide$1)	9	L2
L1	modif$4 near5 primer$1	2656	L1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 11 returned.

☐ 1. 6582923 . 22 Mar 02; 24 Jun 03. Method for analyzing polynucleotides. Stanton, Jr.; Vincent P., et al. 435/6; 435/91.1 536/23.1 536/25.3. C12Q001/68 C12P019/34 C07H021/02 C07H021/04.

☐ 2. 6566059 . 10 Sep 99; 20 May 03. Method for analyzing polynucleotides. Stanton, Jr.; Vincent P., et al. 435/6; 435/91.1 435/91.2 536/22.1 536/23.1 536/24.3 536/25.3. C12Q001/68 C12P019/34 C07H021/00 C07H021/02 C07H021/04.

☐ 3. 6503710 . 27 May 99; 07 Jan 03. Mutation analysis using mass spectrometry. Gut; Ivo Glynne, et al. 435/6; 435/91.1 436/173 436/175 536/25.3 536/25.4. C07H021/04 C12Q001/68.

☐ 4. 6500650 . 05 Sep 00; 31 Dec 02. Method for identifying polymorphisms. Stanton, Jr.; Vince P., et al. 435/91.1; 435/6 435/91.2 536/22.1 536/23.1 536/24.3 536/24.33 536/25.3 536/25.32. C12Q001/68 C12P019/34 C07H019/00 C07H021/00 C07H021/02.

☐ 5. 6475736 . 25 Oct 00; 05 Nov 02. Methods for genetic analysis of DNA using biased amplification of polymorphic sites. Stanton, Jr.; Vincent P.. 435/6; 435/91.2 536/22.1 536/24.33. C12Q001/68 C12P019/34 C07H021/04 C07H019/00.

☐ 6. 6458945 . 09 Nov 00; 01 Oct 02. Method for analyzing polynucleotides. Stanton, Jr.; Vincent P., et al. 536/25.3; 435/6 435/91.1 435/91.2 536/23.1 536/25.32. C12Q001/68 C12P019/34 C07H019/00 C07H021/00 C07H012/02.

☐ 7. 6440705 . 10 Sep 99; 27 Aug 02. Method for analyzing polynucleotides. Stanton, Jr.; Vincent P., et al. 435/91.2; 435/183 435/6 435/91.1 536/22.1 536/23.1 536/24.3 536/24.31 536/24.32 536/24.33. C12P019/34 C12Q001/68 C07H021/02 C07H021/04.

☐ 8. 6339066 . 31 Mar 97; 15 Jan 02. Antisense oligonucleotides which have phosphorothioate linkages of high chiral purity and which modulate .beta.I, .beta.II, .gamma., .delta., .EPSILON., .zeta. and .eta. isoforms of human protein kinase C. Bennett; C. Frank, et al. 514/44; 435/366 435/375 435/6 435/91.1 536/23.1 536/24.31 536/24.5. C07H021/04 A61K048/00 C12Q001/68.

☐ 9. 6130038 . 15 Jul 97; 10 Oct 00. Method for amplifying target nucleic acids using modified primers. Becker; Michael M., et al. 435/6; 536/23.1 536/24.3 536/24.31 536/24.32 536/24.33 536/25.32. C12Q001/68 C07H021/04.

☐ 10. 5939292 . 05 Aug 97; 17 Aug 99. Thermostable DNA polymerases having reduced discrimination against ribo-NTPs. Gelfand; David Harrow, et al. 435/91.2; 435/194 536/23.2. C12P019/34 C12N009/12 C07H021/04.

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10083233

```
=> s fluoro-nucleotide# or amino-nucleotide# or arabinose nucleotide#
L11          91 FLUORO-NUCLEOTIDE# OR AMINO-NUCLEOTIDE# OR ARABINOSE NUCLEOTIDE#

=> s l11 and modif### and primer#
L12           1 L11 AND MODIF### AND PRIMER#

=> d l12 bib ab kwic

L12  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2002:331867  CAPLUS
DN   136:351360
TI   Nucleic acid amplification using primers comprising
     modified nucleotides
IN   Laird, Walter J.; Niemiec, John T.
PA   Roche Diagnostics G.m.b.H., Germany; F. Hoffmann-La Roche A.-G.
SO   Eur. Pat. Appl., 22 pp.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   EP 1201768         A2   20020502       EP 2001-125022   20011020
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2002291490      A2   20021008       JP 2001-326463   20011024
     US 2003044817      A1   20030306       US 2001-83233    20011024
PRAI US 2000-243182P    P    20001025
AB   The present invention provides modified primers for
     use in the amplification of a nucleic acid sequence.  Amplifications
     carried out using the modified primers result in less
     template-independent non-specific product (primer dimer)
     compared to amplifications carried out using unmodified primers.
     The said modified primers comprise 2'-O-Me
     nucleotides, 2'-fluoro nucleotides, 2'-amino
     nucleotides or arabinose nucleotides with the
     three 3'-terminal nucleotide positions.
TI   Nucleic acid amplification using primers comprising
     modified nucleotides
AB   The present invention provides modified primers for
     use in the amplification of a nucleic acid sequence.  Amplifications
     carried out using the modified primers result in less
     template-independent non-specific product (primer dimer)
     compared to amplifications carried out using unmodified primers.
     The said modified primers comprise 2'-O-Me
     nucleotides, 2'-fluoro nucleotides, 2'-amino
     nucleotides or arabinose nucleotides with the
     three 3'-terminal nucleotide positions.
ST   nucleic acid amplification primer modified nucleotide
IT   Nucleotides, biological studies
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (2'-O-Me; nucleic acid amplification using primers comprising
        modified nucleotides)
IT   Nucleotides, biological studies
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (2'-deoxy-2'-amino; nucleic acid amplification using primers
        comprising modified nucleotides)
IT   Nucleotides, biological studies
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (2'-deoxy-2'-fluoro; nucleic acid amplification using primers
        comprising modified nucleotides)
IT   Nucleotides, biological studies
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (arabinose-contg.; nucleic acid amplification using primers
```

comprising **modified** nucleotides)

IT Nucleic acid amplification (method)
PCR (polymerase chain reaction)
(nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT **Primers** (nucleic acid)
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT 147-81-9, Arabinose
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(contg. nucleotides; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT 420281-56-7 420281-57-8 420281-58-9 420281-59-0
RL: PRP (Properties)
(unclaimed nucleotide sequence; nucleic acid amplification using **primers** comprising **modified** nucleotides)

=>

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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:57:29 ON 29 NOV 2003

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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         1.64       1.85

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 FILE COVERS 1974 TO 20 Nov 2003 (20031120/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s modif#### (10a) primer# (10a) (O-methyl nucleotide# or fluoro-nucleotide# or
amino-nucleotide# or arabinose nucleotide#)
        193397 MODIF####
         32522 PRIMER#
        155455 "O"
        179333 "METHYL"
        205557 NUCLEOTIDE#
            10 O-METHYL NUCLEOTIDE#
               ("O"(W)"METHYL"(W)NUCLEOTIDE#)
         12255 "FLUORO"
        205557 NUCLEOTIDE#
             2 FLUORO-NUCLEOTIDE#
               ("FLUORO"(W)NUCLEOTIDE#)
        360356 "AMINO"
        205557 NUCLEOTIDE#
             3 AMINO-NUCLEOTIDE#
               ("AMINO"(W)NUCLEOTIDE#)
          2435 "ARABINOSE"
        205557 NUCLEOTIDE#
             1 ARABINOSE NUCLEOTIDE#
               ("ARABINOSE"(W)NUCLEOTIDE#)
L1           0 MODIF#### (10A) PRIMER# (10A) (O-METHYL NUCLEOTIDE# OR FLUORO-NU
               CLEOTIDE# OR AMINO-NUCLEOTIDE# OR ARABINOSE NUCLEOTIDE#)

=> s modif#### (10a) primer#
        193397 MODIF####
         32522 PRIMER#
L2         330 MODIF#### (10A) PRIMER#

=> s l2 and ((O-METHYL NUCLEOTIDE# OR FLUORO-NUCLEOTIDE# OR AMINO-NUCLEOTIDE# OR
ARABINOSE NUCLEOTIDE#)
```

```
UNMATCHED LEFT PARENTHESIS 'AND ((O-METHYL'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=>  s l2 and (O-METHYL NUCLEOTIDE# OR FLUORO-NUCLEOTIDE# OR AMINO-NUCLEOTIDE# OR
ARABINOSE NUCLEOTIDE#)
        155455 "O"
        179333 "METHYL"
        205557 NUCLEOTIDE#
            10 O-METHYL NUCLEOTIDE#
               ("O"(W)"METHYL"(W)NUCLEOTIDE#)
         12255 "FLUORO"
        205557 NUCLEOTIDE#
             2 FLUORO-NUCLEOTIDE#
               ("FLUORO"(W)NUCLEOTIDE#)
        360356 "AMINO"
        205557 NUCLEOTIDE#
             3 AMINO-NUCLEOTIDE#
               ("AMINO"(W)NUCLEOTIDE#)
          2435 "ARABINOSE"
        205557 NUCLEOTIDE#
             1 ARABINOSE NUCLEOTIDE#
               ("ARABINOSE"(W)NUCLEOTIDE#)
L3           0 L2 AND (O-METHYL NUCLEOTIDE# OR FLUORO-NUCLEOTIDE# OR AMINO-NUCL
               EOTIDE# OR ARABINOSE NUCLEOTIDE#)

=> file medline caplus biosis embase
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                  15.08      16.93

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=> s modif#### (10a) primer#
L4          2789 MODIF#### (10A) PRIMER#

=> s l4 and (O-methyl-nucleotide# or fluoro-nucleotide# or amino-nucleotide# or
arabinose nucleotide#)
L5             1 L4 AND (O-METHYL-NUCLEOTIDE# OR FLUORO-NUCLEOTIDE# OR AMINO-NUCL
               EOTIDE# OR ARABINOSE NUCLEOTIDE#)

=> s l5 and (end or termin###)
L6             1 L5 AND (END OR TERMIN###)

=> d l6 bib ab kwic

L6   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2002:331867  CAPLUS
DN   136:351360
TI   Nucleic acid amplification using primers comprising
     modified nucleotides
IN   Laird, Walter J.; Niemiec, John T.
PA   Roche Diagnostics G.m.b.H., Germany; F. Hoffmann-La Roche A.-G.
```

SO Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1201768	A2	20020502	EP 2001-125022	20011020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002291490	A2	20021008	JP 2001-326463	20011024
US 2003044817	A1	20030306	US 2001-83233	20011024
PRAI US 2000-243182P	P	20001025		

AB The present invention provides **modified primers** for use in the amplification of a nucleic acid sequence. Amplifications carried out using the **modified primers** result in less template-independent non-specific product (**primer** dimer) compared to amplifications carried out using unmodified primers. The said **modified primers** comprise 2'-O-Me nucleotides, 2'-**fluoro nucleotides**, 2'-**amino nucleotides** or **arabinose nucleotides** with the three 3'-**terminal** nucleotide positions.

TI Nucleic acid amplification using **primers** comprising **modified** nucleotides

AB The present invention provides **modified primers** for use in the amplification of a nucleic acid sequence. Amplifications carried out using the **modified primers** result in less template-independent non-specific product (**primer** dimer) compared to amplifications carried out using unmodified primers. The said **modified primers** comprise 2'-O-Me nucleotides, 2'-**fluoro nucleotides**, 2'-**amino nucleotides** or **arabinose nucleotides** with the three 3'-**terminal** nucleotide positions.

ST nucleic acid amplification **primer modified** nucleotide

IT Nucleotides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2'-O-Me; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT Nucleotides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2'-deoxy-2'-amino; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT Nucleotides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(2'-deoxy-2'-fluoro; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT Nucleotides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(arabinose-contg.; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT Nucleic acid amplification (method)
PCR (polymerase chain reaction)
(nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT **Primers** (nucleic acid)
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(nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT 147-81-9, Arabinose
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(contg. nucleotides; nucleic acid amplification using **primers** comprising **modified** nucleotides)

IT 420281-56-7 420281-57-8 420281-58-9 420281-59-0
RL: PRP (Properties)

(unclaimed nucleotide sequence; nucleic acid amplification using **primers** comprising **modified** nucleotides)

=>